

CLAIMS

1. A portable radio-communication device comprising at least:
 - a display for displaying data,
 - a radio transmission/reception unit for transmitting a powering signal to a contactless chip associated with a main data carrier and for receiving a signal returned by said chip, said
 - 5 returned signal carrying chip data relating to said main data carrier,
 - a reading and/or writing unit for reading and/or writing data on said main data carrier,
 - and processing means for processing said chip data so as to execute at least one of the following actions:
 - a) displaying chip data,
 - 10 b) writing chip data on said main data carrier,
 - c) checking chip data to authorize/deny reading/writing on said main data carrier.
2. A portable radio-communication device as claimed in claim 1, intended for generating a radio-communication signal for communication over a radio-communication network,
- 15 wherein said radio transmission/reception unit comprises:
 - adaptation means for adapting the frequency of said radio-communication signal to an operating frequency of said contactless chip, so as to generate said powering signal,
 - demodulation means for demodulating said returned signal so as to retrieve said chip data.
- 20 3. A portable radio-communication device as claimed in one of claims 1 or 2, further comprising modulation means for modulating said powering signal with data, called device data, so as to transmit said device data to said contactless chip.
4. A portable radio-communication device as claimed in claim 3, designed so as to:
 - 25 - transmit device data relating to a request for storing specific data in said chip,
 - transmit device data relating to a request for retrieving specific data stored in said chip.
5. A storage unit comprising a main data carrier and a contactless chip associated with said main data carrier, said contactless chip comprising:

- receiving means for receiving a powering signal sent by a portable radio-communication device,
- processing means, memory means, and transmitting means for executing at least one of the following actions:
 - 5 a) returning chip data stored in said memory means and descriptive of said storage unit upon reception of a powering signal;
 - b) if said powering signal carries device data relating to a storage unit wanted notice, checking whether the storage unit is the wanted storage unit and transmitting a warning to said portable radio-communication device if said storage unit is the wanted storage unit;
 - 10 c) if said powering signal carries device data relating to a request for storing specific data in said chip, storing said specific data in said memory means,
 - d) if said powering signal carries device data relating to a request for retrieving specific data stored in said memory means, transmitting said specific data.
- 15 6. A storage unit as claimed in claim 5, wherein said portable radio-communication device comprises a reading/writing unit for reading/writing data in said main data carrier when said main data carrier is inserted in said portable radio-communication device, and said specific data is a user-defined data input by a user via said portable radio-communication device ,
20 device to authorize reading/writing on said main data carrier.
- 25 7. A storage unit as claimed in claim 5, wherein said portable radio-communication device comprises a reading/writing unit for reading/writing data on said main data carrier when said main data carrier is inserted in said portable radio-communication device, said specific data being main data intended to be written in said main data carrier.
- 8. A storage unit as claimed in claim 5, comprising a caddy in which said main data carrier is packed and said contactless chip is embedded.
- 30 9. A method of manufacturing a storage unit, said method comprising:
 - providing main data on a main data carrier,
 - providing at least program instructions on a contactless chip that comprises receiving means for receiving a powering signal carrying data, processing means, memory means, and

transmitting means for transmitting a signal carrying data,

- embedding said contactless chip in a caddy,
- packaging said main data carrier in said caddy,

5 said program instructions being intended for the execution of at least one of the following actions when executed by said processing means:

- a) upon reception of a powering signal that carries a request for storing specific data in said chip, storing said specific data in said memory means,
- b) upon reception of a powering signal that carries a request for retrieving specific data stored in said memory means, returning a signal carrying said specific data.

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10. A method of manufacturing a storage unit, said method comprising:

- providing main data on a main data carrier,
 - providing at least part of said main data, that is descriptive of said storage unit, and program instructions on a contactless chip that comprises receiving means for receiving a
- 15 powering signal, processing means, memory means, and transmitting means for transmitting a signal carrying data,

- embedding said contactless chip in a caddy
- packaging said main data carrier in said caddy,

said program instructions being intended for the execution of at least one of the following

20 actions when executed by said processing means:

- a) upon reception of a powering signal, returning data stored in said memory means and descriptive of said storage unit,
 - b) upon reception of a powering signal that carries a wanted notice relating to a wanted storage unit, checking whether the storage unit is the wanted storage unit and, in such a
- 25 case, transmitting a warning.

11. A system comprising a portable radio-communication device as claimed in claim 1 and a storage unit as claimed in claim 5.